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The Mineral Foundations of Green Energy Transitions

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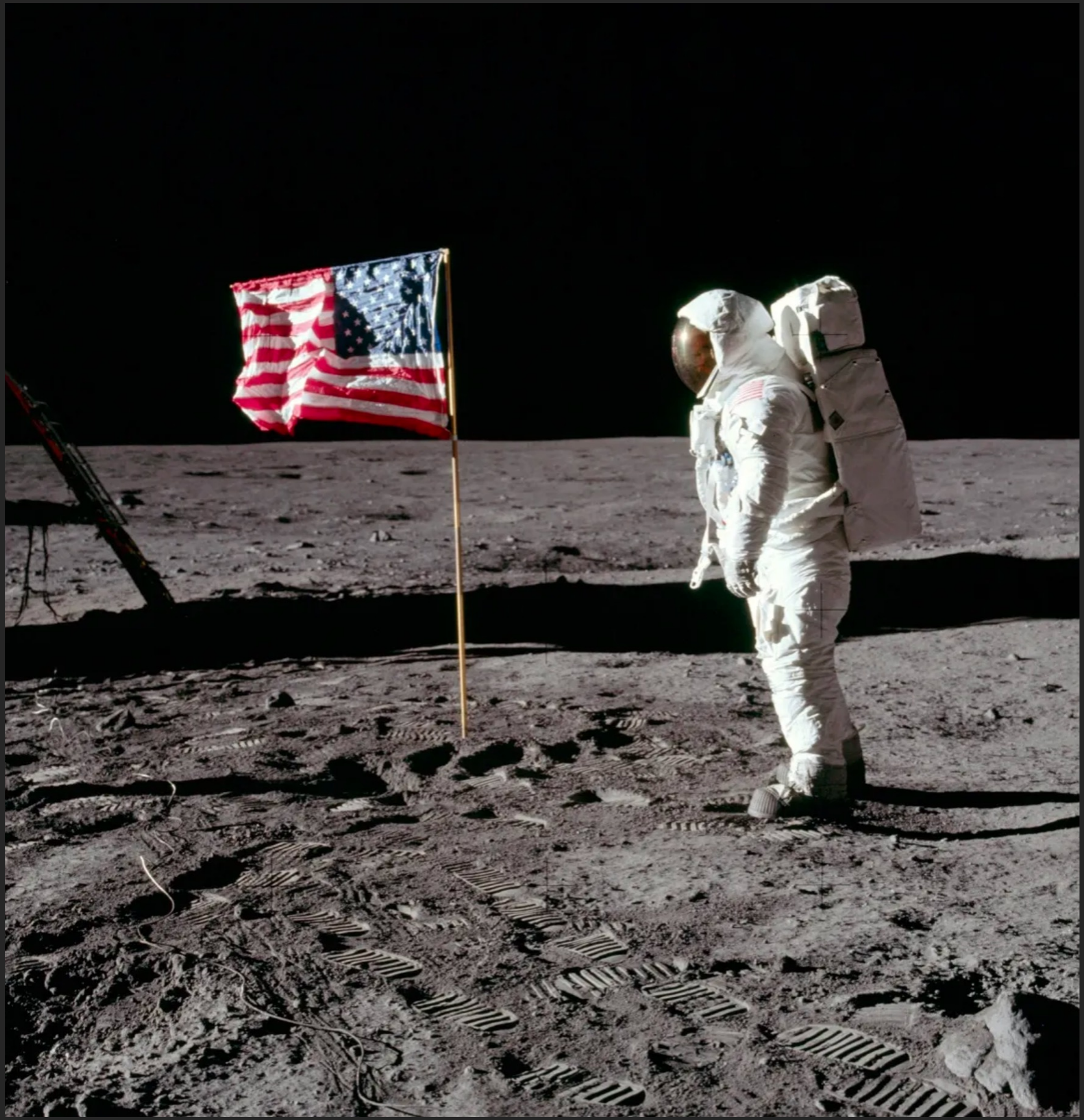
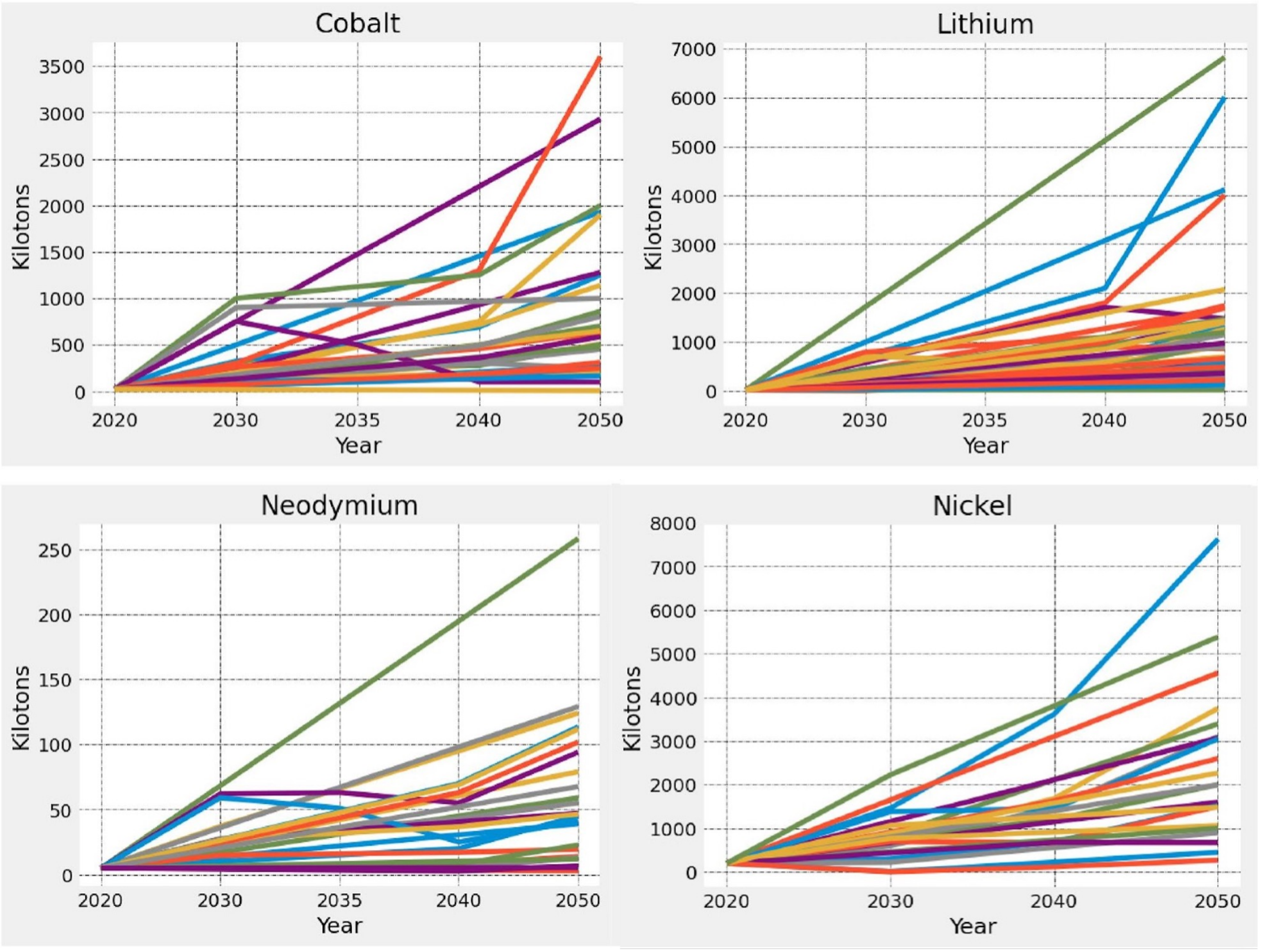



Three stylized facts

1. Anticipated demand for minerals is high – but also uncertain

1. China is the pivotal actor – a triumph of geoeconomics over geology

1. USA and other AEs are playing catchup to “de-risk” – and using competing industrial policies to do so



Calderon et al. (2024) Critical mineral demand estimates for low-carbon technologies: What do they tell us and how can they evolve? ***Renewable and Sustainable Energy Reviews.*** *Slightly modified from original.*

What do “we” need

1. Clearer priorities and economic thinking

1. New trade agreements with “friends” old and new

1. Diversification and de-risking, yes – de-Chinafication, no

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Thank you.

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